

#### State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor Darrell Bazzell, Secretary Gloria L. McCutcheon, Regional Director Southeast Regional Headquarters 2300 N. Dr. ML King Drive, PO Box 12436 Milwaukee, Wisconsin 53212-0436 Telephone 414-263-8500 FAX 414-263-8606 TDD 414-263-8713

> FID #: 241559230 County of Milwaukee

May 17, 2001

Mr. Otis Cobb Federal Manufacturing 104 West Walker Street Milwaukee, WI 53204

SUBJECT: Flexible Site Closure - Federal Manufacturing

104 West Walker Street, Milwaukee, WI 53204

BRRTS#: 03-41-002324, PECFA Claim #: 53204-1858-04

Dear Mr. Cobb:

I am pleased to inform you that the Wisconsin Department of Natural Resources (the Department) has completed the review of the above-named site for closure.

Based on the investigative and remedial documentation provided to the Department, it appears that the petroleum contamination at the above-named site has been remediated to the extent practicable under current site conditions. Therefore, the Department considers the case "closed," having determined that no further action is necessary at the site at this time. However, the case may be reopened pursuant to s.726.09, WAC, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety or welfare or the environment.

Residual contaminated soils above regulatory cleanup levels remain in-place at the site at this time. The soils left in-place could represent a solid waste if excavated at some point in the future and if the existing concentrations are still present. Therefore, in the event that the soils are excavated for any reason, the owner of the property will be responsible for managing the soils according to all applicable regulations of the Department.

Chlorinated solvents in exceedance of NR 140 standards were detected in monitoring wells located on Walker Street and First Street. As a condition of case closure, the Department requires that the property owner notifies the City of Milwaukee (Public Works Dept.) of the contamination in order to protect worker safety. To document that this condition has been complied with, the property owner must submit a copy of the notification to the Department.

To complete the closure of this site, you must place a groundwater use restriction on the property deed at the county register of deeds office which specifies the legal description of



Mr. Otis Cobbs
Federal Manufacturing
104 West Walker Street
Milwaukee, Wisconsin
Page 2.

the property, the location, type and concentration of the contaminants and includes the following language:

"Natural attenuation has been approved by the Department of Natural Resources to remediate groundwater exceeding ch. NR 140 groundwater standards within the boundaries of this property. Construction of wells where water quality exceeds the drinking water standards in ch. NR 809 is restricted by chs. NR 811 and NR 812. Special well construction standards or water treatment requirements, or both, or well construction prohibitions may apply. Anyone who proposes to construct or reconstruct a well on this property is required to contact the Department of Natural Resources' Bureau of Drinking Water and Groundwater to determine what specific requirements are applicable prior to constructing or reconstructing a well on this property. If construction is proposed on this property that will require dewatering, or if groundwater is to be otherwise extracted from this property, while this groundwater use restriction is in effect, the groundwater shall be sampled and analyzed for contaminants that were previously detected on the property and any extracted groundwater shall be managed in compliance with applicable statutes and rules."

Within 60 days, all of the groundwater monitoring wells and other sampling points at the site must be abandoned in accordance with s. NR 141.25(1)(b), and the completed abandonment forms must be submitted to the Department. When the Department receives the abandonment forms, a copy of the groundwater use restriction and a copy of the notification letter to the City of Milwaukee, this case will be tracked as closed on the Department's computer tracking system.

The Department appreciates the actions you have taken to investigate and remediate the contamination at this site. If you have any questions or comments, please contact me at the above address or at (414) 263-8639. Please refer to the FID number at the top of this letter in any future correspondence.

Sincerely,

Fric Amadi

Hydrogeologist - Remediation and Redevelopment Program

c: Jacob Saeger - Stiles Environmental, Inc., W7694 Hwy. V., Lake Mills, WI 53551 SER Case File #: 03-41-002324



## State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor
Darrell Bazzell, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Region Headquarters 2300 N. Dr. Martin Luther King, Jr. Drive PO Box 12436 Milwaukee, Wisconsin 53212-0436 Telephone 414-263-8500 FAX 414-263-8713

May 14, 2002

Mr. Otis Cobb Federal Manufacturing 104 West Walker Street Milwaukee, WI 53204

SUBJECT:

Final Case Closure - Federal Manufacturing 104 West Walker Street, Milwaukee, WI 53204

FID#: 241559230. BRRTS #: 03-41-002324. PECFA Claim #: 53204-1858-04

Dear Mr. Cobb:

On May 2, 2001, your site as described above was reviewed for closure by the Department of Natural Resources. The Department reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On May 17, 2001, you were notified that conditional closure was granted to this case.

On February 11, 2002, the Department received correspondence indicating that you have complied with the conditions of closure. The conditions of closure required the responsible party to record a groundwater use restriction and to notify the City of Milwaukee of the contamination underneath Walker Street and First Street. Based on the correspondence and data provided, it appears that your site has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code. The Department considers this case closed and no further investigation, remediation or other action is required at this time.

Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the registry. To review the sites on the GIS Registry web page, visit http://gomapout.dnr.state.wi.us/org/at/et/geo/gwur/index.htm

Please be aware that this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety or welfare, or the environment.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at (414) 263-8639.

Sincerely,

Eric Amadi Hydrogeologist

Bureau for Remediation & Redevelopment

cc: Jane Hertel - Stiles Environmental, Inc., W7694 Hwy V, Lake Mills, WI 53551.

SER Case File #: 03-41-002324



#### DOCUMENT NUMBER GROUNDWATER USE RESTRICTION

#### Declaration of Restrictions

#### LEGAL DESCRIPTION

7-11/02

Lots 5 and 6 and the South One-half of Lot 4, Block 99 of Weeks Plat of Lots 3 and 6 of the North one-half of the Southeast One-quarter of Section 32. Township 7 North, Range 22 East. 104 W. Walker Street, City of Milwaukee, County of Milwaukee

8220566

REGISTER'S OFFICE | SS Milwaukee County, WII RECORDED AT 10:44 AM

02-08-2002

WALTER R. BARCZAK REGISTER OF DEEDS

AMOUNT 13.00

Recording Area

Name and Return Address Mr. Otis Cobb 201 West Walker Street PO Box 04215 Milwaukee, WI 53204

#### STATE OF WISCONSIN

### COUNTY OF MILWAUKEE

WHEREAS, Federal Mfg. Co., a Wisconsin Corporation, is the owner of the property described above;

WHEREAS. Natural attenuation has been approved by the Department of Natural Resources to remediate groundwater exceeding ch. NR. 140 groundwater standards within the boundaries of this property. Construction of wells where water quality exceeds the drinking water standards in ch. NR 809 is restricted by chs NR. 811 and NR. 812. Special well construction standards or water treatment requirements or both or well construction prohibitions may apply.

WHEREAS, it is the desire and intention of the property owner to impose on the property restrictions which will make it unnecessary to conduct additional soil or groundwater remediation activities on the property at the present time.

Whereas, one or more petroleum discharges have occurred at this property. Benzene contaminated groundwater above NR 140 Enforcement Standards (ES) exists on this property on the southeastern portion of the lot at the locations of the former monitoring wells. MW-1 and MW-4, at concentrations of 84 micrograms per liter (ug/l) and 74 ug/l, respectively, during the most recent sampling round performed on 7/20/99. Bromodichloromethane contaminated groundwater above NR 140 ES exists along the eastern edge of the property at the location of the former monitoring well, MW-2, at a concentration of 2.0 ug/l during the sample event performed on 9/16/99. Also, Perchloroethylene (PCE or PERC) contaminated ground water above NR140 ES exists in monitoring well MW9 at a concentration of 11ug/l during the sampling event performed on 3/26/00. Soil contamination above NR 720 Residual Contaminant Levels Tables 1 and 2 remain in place at the location of the soil sample BS-2 for benzene at a concentration of 660 milligrams per kilogram (mg/kg). Stiles Environmental, Inc Closure report #2 dated July 2000, depicts the location of the soil and groundwater contamination remaining in place.

NOW THEREFORE, the owner hereby declares that all of the property described above is held and shall be held, conveyed or encumbered, leased, rented, used, occupied and improved subject to the following limitation and restrictions:

Anyone who proposes to construct or reconstruct a well on this property is required or its successor agency to contact the Department of Natural Resources' Bureau of Drinking Water and Groundwater or its successor agency to determine what specific requirements are applicable prior to constructing or reconstructing a well on this property. No well may be constructed or reconstructed on this property unless applicable requirements are met. If construction is proposed on this property that will require dewatering, or if groundwater is to be otherwise extracted from this property, while this groundwater use restriction is in effect, the groundwater shall be sampled and analyzed for contaminants that were previously detected on the property and any extracted groundwater shall be managed in compliance with applicable statutes and rules.

This restrictions is hereby declared to be a covenant running with the land and shall be fully binding upon all persons acquiring the above-described property whether by descent, devise. purchase or otherwise. This restriction benefits and is enforceable by, the Wisconsin Department of Natural Resources, its successors and assigns. The Department, its successors or assigns, may initiate proceedings at law or in equity against any persona or persons who violate or are proposing to violate this covenant, to prevent the proposed violation or to recover damages for such violation.

Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Natural Resources or its successor issue a determination that the restrictions set forth in this covenant are no longer required. Upon receipt of such a request, the Wisconsin Department of Natural Resources shall determine whether or not the restrictions contained herein can be extinguished. If the Department determines that the restrictions can be extinguished, an affidavit, with a copy of the Department's written determination, may be recorded to give notice that this groundwater use restriction is no longer binding.

| By signing this document of sign this document of |       | he<br>Federal Mai   |          | ges that (he/she) is duly authorized to npany. |
|---|-------|---------------------|----------|--|
|   |       |                     |          | secuted this Declaration of                    |
| Restrictions, this                                | 0 (11 | day of <sub>_</sub> | February | 2002   |
|   | Na    | 1.                  |          |  |
| Signature:  | 19:11 | eff.                |          |  |
| Printed Name: _                                   | Otis  | E. Cobb             |          |  |
| Title:  | Presi | dent                |          | <del></del>                                    |
|   |       | ^                   |          |  |

Subscribed and sworn to before me

6th day of February 2002

Notary-Public State of <u>Wisconsin</u> My Commission <u>Expires</u> October 20, 2002

This document was drafted by the Stiles Environmental, Inc. (SEI) based on the information provided by the Wisconsin Department of Natural Resources.

by Jane Hertel



Figure 1
SITE LOCATION MAP

Federal Manufacturing - 104 West Walker Street Milwaukee, Wisconsin

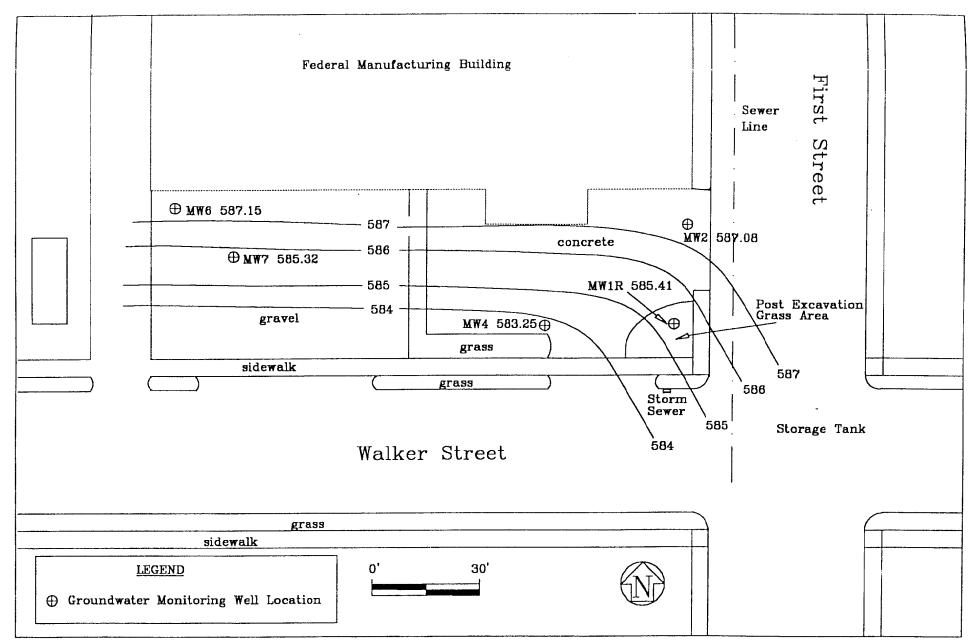
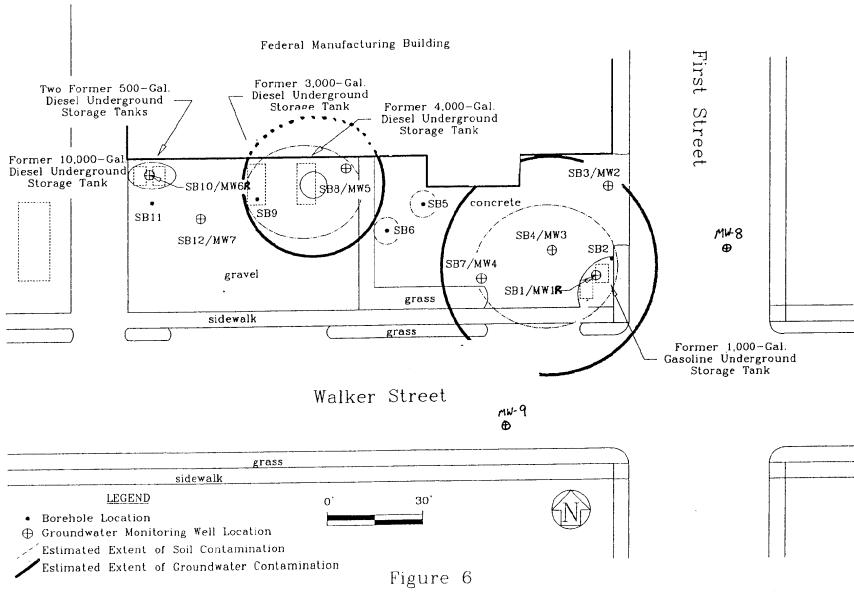
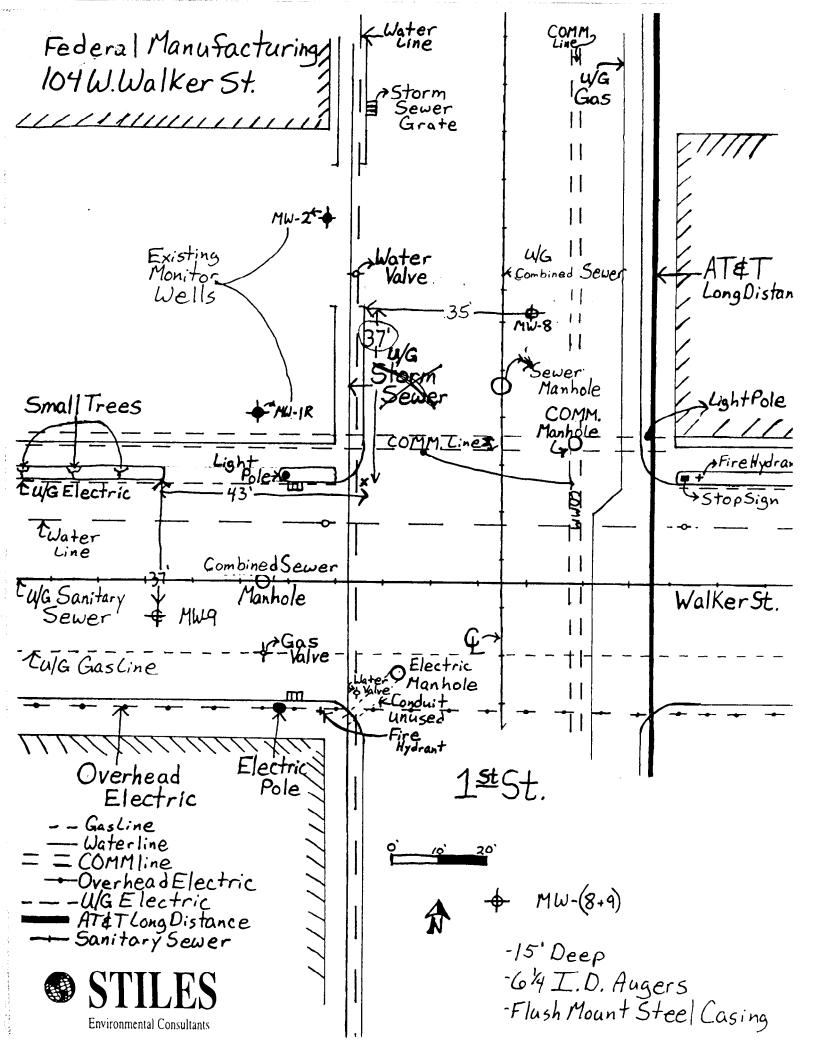


Figure 5
Groundwater Contour Map from 9/16/99



# ESTIMATED EXTENT OF CONTAMINATION

Federal Manufacturing - 104 West Walker Street Milwaukee, Wisconsin



# Table 1 Groundwater Analytical Result Summary

(Site Investigation and Remedial Action Results)

| Parameter                               | units                                   | date               | NR140 ES      | MW-1       | MW-1R          | MW-2           | MW-4        | MW-5        | MW-6         | MW-67      | MW-7          | MW-8     | MW-9     |
|---|---|--------------------|---------------|------------|----------------|----------------|-------------|-------------|--------------|------------|---------------|----------|----------|
|   |   |                    |               |            |                |                |             |             |              |            |               | N. 1.    | NIT      |
| GRO                                     | ug/L                                    | 6/28/96            |               | 9,000      | NI             | <50            | <50         | 1,400       | 290          | NI         | <50           | NI       | NI       |
|   |   | 7/30/96            |               | 7,700      | NI             | 68             | 3,100<br>NT | 2,200<br>AW | 1.7<br>AW    | NI<br>72   | <50<br>NT     | NI<br>NI | NI<br>NI |
|   |   | 1/28/98            |               | AW<br>AW   | 1,700<br>1,200 | <50<br><50     | 2,200       | AW          | AW           | NT         | NT            | NI       | NI       |
|   |   | 4/8/98<br>7/6/98   |               | AW         | 860            | < <b>5</b> 0   | 2,700       | AW          | AW           | <50        | <50           | NI       | NI       |
|   |   | 1/20/99            |               | AW         | NT             | NT             | NT          | AW          | AW           | NT         | <50           | NI       | NI       |
|   |   | 3/5/99             |               | AW         | 660            | <50            | NT          | AW          | AW           | NT         | NT            | NI       | NI       |
|   |   | 3,3,7,             |               |            |                |                |             |             |              |            |               |          |          |
| DRO                                     | mg/L                                    | 6/28/96            |               | 6,200      | NI             | <100           | NT          | 140         | 1,500        | NI         | <100          | NI       | NI       |
|   | Ü                                       | 7/30/96            |               | 3,500      | NI             | <100           | 1,100       | 13,000      | 2,300        | NI         | <100          | NI       | NI       |
|   |   | 1/28/98            |               | AW         | 480            | <100           | NT          | AW          | AW           | 5,000      | NT            | NI       | NI       |
|   |   | 4/8/98             |               | AW         | ΝТ             | NT             | NT          | ΑW          | AW           | NT         | NT            | NI       | NI       |
|   |   | 7/6/98             |               | AW         | 420            | <100           | 840         | AW          | AW           | 1,100      | <100          | NI       | NI       |
| *************************************** | 000000000000000000000000000000000000000 | 1/20/99            | ×             | AW         | NT             | NT             | NT          | AW          | AW           | 1,900      | 130           | NI       | NI       |
| n.                                      | /7                                      | C/20/0C            |               | 100        | N.I.           | -0.5           | 270         | 24          | <0.5         | NI         | <0.5          | NI       | NI       |
| Benzene                                 | ug/L                                    | 6/28/96<br>7/30/96 | 5             | 180<br>160 | NI<br>NI       | <0.5<br>1.5    | 270<br>350  | 20          | <0.5         | NI         | <0.5          | NI       | NI       |
|   |   | 1/28/98            |               | AW         | 190            | < 0.16         | NT          | AW          | AW           | 0.56       | < 0.26        | NI       | NI       |
|   |   | 4/8/98             |               | AW         | 140            | < 0.26         | 24          | AW          | AW           | < 0.26     | 0.51          | NI       | NI       |
|   |   | 7/6/98             |               | AW         | 100            | < 0.26         | 150         | AW          | AW           | 0.55       | < 0.26        | NI       | NI       |
|   |   | 1/20/99            |               | AW         | NT             | NT             | NT          | AW          | AW           | 1.3        | < 0.13        | NI       | NI       |
|   |   | 3/5/99             |               | AW         | 72             | < 0.13         | NT          | AW          | AW           | NT         | NT            | NI       | NI       |
|   |   | 7/20/99            |               | AW         | 84             | 1.6            | 74          | AW          | AW           | 1.7        | 1.6           | NI       | NI       |
|   |   | 9/16/99            |               | AW         | NT             | < 0.10         | NT          | AW          | AW           | NT         | NT            | NI       | NI       |
|   |   | 3/26/00            | ************* | AW         | NT             | NT             | NT          | AW          | AW           | NT         | NT            | < 0.10   | <0.10    |
|   |   |                    | <b></b>       |            |                | -1.0           | 210         |             | -2 O         | NIT.       | -1 A          | λII      | NI       |
| Ethylbenzene                            | ug/L                                    | 6/28/96            | 700           | 320        | NI             | <1.0           | 310         | 26<br>18    | <2.0<br><1.0 | NI<br>NI   | <1.0<br><1.0  | NI<br>NI | NI       |
|   |   | 7/30/96<br>1/28/98 |               | 290<br>AW  | NI<br>71       | 4.9<br><0.24   | 330<br>NT   | AW          | AW           | 0.4        | <0.24         | NI       | NI       |
|   |   | 4/8/98             |               | AW         | 57             | <0.24          | 180         | AW          | AW           | <0.24      | < 0.45        | NI       | NI       |
|   |   | 7/6/98             |               | AW         | 44             | < 0.24         | 160         | AW          | AW           | 0.52       | < 0.24        | NI       | NI       |
|   |   | 1/20/99            |               | AW         |                | NT             | NT          | AW          | AW           | 0.52       | < 0.22        | NI       | NI       |
|   |   | 3/5/99             |               | AW         | 36             | < 0.22         | NT          | AW          | AW           | NT         | NT            | NI       | NI       |
|   |   | 7/20/99            |               | AW         | 32             | 2              | 25          | AW          | AW           | 2.2        | 1.6           | NI       | NI       |
|   |   | 9/16/99            |               | AW         | NT             | < 0.25         | NT          | ΑW          | ΑW           | NT         | NT            | NI       | NI       |
|   |   | 3/26/00            |               | AW         | NT             | NT             | NT          | AW          | AW           | NT         | NT            | <0.25    | <0.25    |
|   |   |                    |               |            |                |                |             |             |              |            |               |          | N. 1.    |
| MTBE                                    | ug/L                                    | 6/28/96            | 60            | <10        |                | <1.0           | <2.0        | <10         | <1.0         |            | <1.0          | NI       | NI       |
|   |   | 7/30/96            |               | < 5.0      |                | 8.3            | <5.0        | 9.4         | <1.0         | NI<br><0.2 | <1.0<br><0.22 | NI<br>NI | NI<br>NI |
|   |   | 1/28/98            |               | AW         |                | <0.2           | NT<br>14    | AW<br>AW    | AW<br>AW     |            |               |          | NI       |
|   |   | 4/8/98<br>7/6/98   |               | AW<br>AW   |                | <0.22<br><0.22 |             | AW          | AW           | <0.22      |               |          | NI       |
|   |   | 1/20/99            |               | AW         |                | NT             | NT          | AW          | AW           |            | < 0.16        |          | NI       |
|   |   | 3/5/99             |               | ۸W         |                | < 0.16         |             | AW          | AW           |            | NT            | NI       | NI       |
|   |   | 7/20/99            |               | AW         |                | < 0.16         |             | ΛW          | AW           |            | < 0.16        | NI       | NI       |
|   |   | 9/16/99            |               | ΑW         |                | < 0.25         | NT          | AW          | AW           | NT         | NT            | NI       | NI       |
|   |   | 3/26/00            |               | ΑW         | NT             | NT             | NT          | AW          | AW           | Л.L        | NT            | < 0.25   | < 0.25   |
|   |   |                    |               |            |                |                |             |             |              |            |               |          | *****    |
| Toluene                                 | ug/L                                    | 6/28/96            | 343           | 37         | NI             | <1.0           | <6.0        |             | <1.0         |            | <1.0          | NI       | NI       |
|   |   | 7/30/96            |               | 41         | NI<br>2.0      | 2.4            | <5.0        |             | 1.6          |            | 1.1           | NI       | NI       |
|   |   | 1/28/98            |               | WA         |                | < 0.36         |             | AW          | AW           |            | <0.21         |          | NI<br>NI |
|   |   | 4/8/98             |               | AW         |                | < 0.21         |             | AW          | AW           |            |               | NI       | NI       |
|   |   | 7/6/98             |               | AW         |                | <0.21          |             | AW          | AW<br>AW     |            | <0.21<br><0.2 |          | NI<br>NI |
|   |   | 1/20/99            |               | WA         |                | NT<br><0.20    | TN<br>TN (  | AW<br>AW    | AW<br>AW     |            | NT            | NI       | NI       |
|   |   | 3/5/99<br>7/20/99  |               | AW<br>AW   |                | <0.20<br>9.8   | 4.8         | AW<br>AW    | AW<br>AW     |            | 7.5           | NI       | NI       |
|   |   | 9/16/99            |               | AW         |                | 0.27           | 4.8<br>NT   | AW          | AW           |            | NT            | NI       | NI       |
|   |   | 3/26/00            |               | AW         |                | NT             | NT          | AW          | AW           |            | NT            | < 0.10   |          |
|   |   |                    |               |            |                | •              | _           |             |              |            |               |          |          |

### Table 1

### **Groundwater Analytical Result Summary**

(Site Investigation and Remedial Action Results)

| Parameter            | units                                   | date               | NR140 ES                                | MW-1     | MW-1R       | MW-2           | MW-4       | MW-5          | MW-6         | MW-6        | MW-7        | MW-8              | MW-9        |
|----------------------|---|--------------------|---|----------|-------------|----------------|------------|---------------|--------------|-------------|-------------|-------------------|-------------|
| 1 at ameter          |   |                    |   |          |             |                |            |               |              |             |             |                   |             |
| 1,2,4-TMB            | ug/L                                    | 6/28/96            |   | 1,200    | NI          | <1.0           | 360        | 75            | <2.0         | NI          | <1.0        | NI                | NI          |
| - <b>,-</b> ,        | 9                                       | 7/30/96            |   | 1,000    | NI          | 10             | 280        | 50            | 1.8          | NI          | 1.1         | NI                | NI          |
|                      |   | 1/28/98            |   | ΛW       | 37          | < 0.3          | NT         | AW            | AW           | 1.0         | < 0.86      | NI                | NI          |
|                      |   | 4/8/98             |   | AW       | 12          | < 0.86         | 220        | AW            | ΑW           | < 0.86      | < 0.86      | NI                | NI          |
|                      |   | 7/6/98             |   | AW       | 10          | < 0.86         | 280        | AW            | AW           | 0.96        | < 0.86      | NI                | NI          |
|                      |   | 1/20/99            |   | AW       | NT          | NT             | NT         | AW            | ΑW           | 1.4         | < 0.22      | NI                | NI          |
|                      |   | 3/5/99             |   | AW       | 18          | < 0.29         | NT         | ΑW            | ΑW           | NT          | NT          | NI                | NI          |
|                      |   | 7/20/99            |   | AW       | 14          | 1.1            | 100        | ΑW            | AW           | 2.5         | 0.86        | NI                | NI          |
|                      |   | 9/16/99            |   | AW       | NT          | < 0.10         | NT         | ΑW            | AW           | NT          | NT          | NI                | ИI          |
|                      |   | 3/26/00            |   | AW       | NT          | NT             | NT         | AW            | AW           | NT          | NT          | < 0.10            | < 0.10      |
|                      |   |                    |   |          |             |                |            |               |              |             |             |                   |             |
| 1,3,5-TMB            | ug/L                                    | 6/28/96            |   | 240      | NI          | <1.0           | 74         | <30           | <1.0         | NI          | <1.0        | NI                | NI          |
|                      |   | 7/30/96            |   | 270      | NI          | 2.7            | <5.0       | 8.3           | 1.5          | NI          | <1.0        | NI                | NI          |
|                      |   | 1/28/98            |   | AW       | 7.3         | < 0.34         | NT         | AW            | AW           | 0.47        | < 0.54      | NI                | NI          |
|                      |   | 4/8/98             |   | AW       | 0.76        | < 0.54         | 10         | AW            | AW           | < 0.54      | < 0.54      | NI                | NI<br>NI    |
|                      |   | 7/6/98             |   | AW       | 0.56        | <0.54          | 16         | AW            | AW           | < 0.54      | < 0.54      | NI                |             |
|                      |   | 1/20/99            |   | AW       | NT          | NT             | NT         | AW            | AW<br>AW     | <0.29<br>NT | <0.28<br>NT | NI<br>NI          | NI<br>NI    |
|                      |   | 3/5/99             |   | AW       | 2.1<br><5.8 | <0.29<br><0.29 | NT<br>7    | AW<br>AW      | AW           | 0.41        | <0.29       | NI                | NI          |
|                      |   | 7/20/99            |   | AW<br>AW | o.c<br>NT   | < 0.10         | NT         | AW            | AW           | NT          | NT          | NI                | NI          |
|                      |   | 9/16/99            |   |          | NT          | NT             | NT         | AW            | AW           | NT          | NT          | < 0.10            | < 0.10      |
|                      |   | 3/26/00            |   | AW       | IN I        | IN I           | IN 1       | /\ <b>V</b> V | /\ <b>VV</b> | 10.1        | 111         | ~V.1V             | ~0.10       |
| V-d                  | /T                                      | 6/29/06            | 620                                     | 470      | NI          | <1.0           | 710        | <30           | <3.0         | NI          | < 3.0       | NI                | NI          |
| Xylenes              | ug/L                                    | 6/28/96<br>7/30/96 | 020                                     | 400      | NI          | 8.3            | 610        | 16            | <3.0         | NI          | <3.0        | NI                | NI          |
|                      |   | 1/28/98            |   | AW       | 45          | < 0.94         | NT         | AW            | AW           | 2.7         | < 0.97      | NI                | NI          |
|                      |   | 4/8/98             |   | AW       | 15          | <0.97          | 316        | AW            | AW           | < 0.97      | 2.8         | NI                | NI          |
|                      |   | 7/6/98             |   | AW       | 16.9        | <1.24          | 406.2      | AW            | AW           | 2.78        | <1.24       | NI                | NI          |
|                      |   | 1/20/99            |   | AW       | NT          | NT             | NT         | AW            | AW           | 3.2         | < 0.23      | NI                | NI          |
|                      |   | 3/5/99             |   | AW       | 27          | < 0.23         | NT         | AW            | AW           | NT          | NT          | NI                | NI          |
|                      |   | 7/20/99            |   | AW       | 30          | 8.7            | 220        | AW            | AW           | 9.2         | 5.8         | NI                | NI          |
|                      |   | 9/16/99            |   | AW       | NT          | < 0.25         | NT         | AW            | AW           | NT          | NT          | NI                | NI          |
|                      |   | 3/26/00            |   | AW       | NT          | NT             | NT         | AW            | AW           | NT          | NT          | < 0.25            | < 0.25      |
|                      |   |                    |   |          |             |                |            |               |              |             |             |                   |             |
| Naphthalene          | ug/L                                    | 6/28/96            | 40                                      | NT       | NI          | NT             | NT         | NT            | NT           | NI          | NT          | NI                | NI          |
|                      |   | 7/30/96            |   | 180      | NI          | 2.2            | 15         | 65            | 1.7          | NI          | <1.0        | NI                | NI          |
|                      |   | 7/20/99            |   | AW       | 9.2         | 0.49           | 9.7        | AW            | AW           | 1.2         | < 0.46      |                   | NI          |
|                      |   | 9/16/99            |   | ΑW       | NT          | < 0.10         | NT         | ΑW            | AW           | NT          | NT          | NI                | NI          |
|                      |   | 3/26/00            |   | AW       | NT          | NT             | NT         | AW            | AW           | NT          | NT          | <0.25             | <0.25       |
|                      |   |                    |   |          |             |                |            |               |              |             |             |                   | N.11        |
| Bromodichloromethane | ug/L                                    | 7/30/96            | 0.6                                     | < 5.0    |             | 4.6            | < 5.0      | <2.0          | <1.0         | NI          | <1.0        | NI                | NI          |
|                      |   | 9/16/99            |   | AW       | NT          | 2.0            | NT         | AW            | AW           | NT          | NT          | NI<br><0.25       | NI<br><0.25 |
|                      | 656666666666666                         | 3/26/00            | 0.0000000000000000000000000000000000000 | AW       | NT          | NT             | NT         | AW            | AW           | NT          | NT          | ~U.23<br>******** | ~0.23       |
|                      |   |                    |   |          |             |                | -5.0       |               | -1 A         | NII         | ~1 A        | NI                | NI          |
| Chlorodibromomethane | ug/L                                    | 7/30/96            | 60                                      | < 5.0    |             | 1.8            | <5.0<br>NT | <2.0<br>AW    | <1.0<br>AW   | NI<br>NT    | <1.0<br>NT  | NI                | NI          |
|                      |   | 9/16/99            |   | AW       |             | 0.78<br>NT     | NT         | AW            | AW           | NT          | NT          | <0.25             |             |
|                      | ::::::::::::::::::::::::::::::::::::::: | 3/26/00            | ******                                  | AW       | NT          | IN I           | IN I       | ~ ^ <b>**</b> | AW           | 111         |             | -0.23             | *******     |
| Chlaneform           | /T                                      | 7/30/96            | 6                                       | <5.0     | ) NI        | 8.1            | < 5.0      | <2.0          | <1.0         | NI          | <1.0        | NI                | NI          |
| Chloroform           | ug/L                                    | 1/30/90            | U                                       | AW       |             | 3.0            | NT         | AW            | AW           |             | NT          | NI                | NI          |
|                      |   | 3/26/00            |   | AW       |             | NT             | NT         | AW            | AW           | NT          | NT          | <0.25             |             |
|                      |   | J120100            |   | *****    |             |                |            |               |              |             |             |                   |             |
| n-Butylbenzene       | ug/L                                    | 7/30/96            |   | 180      | NI          | <1.0           | 14         | 9.9           | 8.6          | NI          | <1.0        | NI                | NI          |
| n-Datymentelle       | ug/L                                    | 9/16/99            | ****                                    | AW       |             | <0.25          |            | AW            | AW           |             | NT          | NI                | NI          |
|                      |   | 3/26/00            |   | AW       |             | NT             | NT         | AW            | AW           |             | NT          | < 0.25            |             |
|                      |   | 2.20.00            |   |          |             |                |            |               |              |             |             |                   |             |

#### Table 1

### **Groundwater Analytical Result Summary**

(Site Investigation and Remedial Action Results)

#### Federal Manufacturing

| Parameter          | units | date                          | NR140 ES | MW-1             | MW-1R          | MW-2                   | MW-4             | MW-5             | MW-6             | MW-6           | MW-7             | MW-8              | MW-9              |
|--------------------|-------|-------------------------------|----------|------------------|----------------|------------------------|------------------|------------------|------------------|----------------|------------------|-------------------|-------------------|
| Tetrachloroethene  | ug/L  | 7/30/96<br>9/16/99<br>3/26/00 | 5        | <5.0<br>AW<br>AW | NI<br>NT<br>NT | <1.0<br><0.25<br>NT    | <5.0<br>NT<br>NT | <2.0<br>AW<br>AW | <1.0<br>AW<br>AW | NI<br>NT<br>NT | <1.0<br>NT<br>NT | NI<br>NI<br><0.25 | NI<br>NI<br>11    |
| Trichloroethene    | ug/L  | 7/30/96<br>9/16/99<br>3/26/00 | 5        | <5.0<br>AW<br>AW | NI<br>NT<br>NT | <1.0<br><0.25<br>NT    | <5.0<br>NT<br>NT | <2.0<br>AW<br>AW | <1.0<br>AW<br>AW | NI<br>NT<br>NT | <1.0<br>NT<br>NT | NI<br>NI<br>2     | NI<br>NI<br>0.26  |
| sec-Butylbenzene   | ug/L  | 7/30/96<br>9/16/99<br>3/26/00 |          | 13<br>AW<br>AW   | NI<br>NT<br>NT | <1.0<br><0.25<br>NT    | <5.0<br>NT<br>NT | 10<br>AW<br>AW   | 2.5<br>AW<br>AW  | NI<br>NT<br>NT | <1.0<br>NT<br>NT | NI<br>NI<br><0.25 | NI<br>NI<br><0.25 |
| Isopropylbenzene   | ug/L  | 7/30/96<br>9/16/99<br>3/26/00 |          | 29<br>AW<br>AW   | NI<br>NT<br>NT | <1.0<br><0.25<br>NT    | 34<br>NT<br>NT   | 11<br>AW<br>AW   | 3.4<br>AW<br>AW  | NI<br>NT<br>NT | <1.0<br>NT<br>NT | NI<br>NI<br><0.25 | NI<br>NI<br><0.25 |
| p-Isopropyltoluene | ug/L  | 7/30/96<br>9/16/99<br>3/26/00 |          | 7.3<br>AW<br>AW  | NI<br>NT<br>NT | <1.0<br><0.25<br>NT    | <5.0<br>NT<br>NT | 6.9<br>AW<br>AW  | 3.4<br>AW<br>AW  | NI<br>NT<br>NT | <1.0<br>NT<br>NT | NI<br>NI<br><0.25 | NI<br>NI<br><0.25 |
| n-Propylbenzene    | ug/L  | 7/30/96<br>9/16/99<br>3/26/00 |          | 68<br>AW<br>AW   | NI<br>NT<br>NT | <1.0<br><0.25<br><0.26 | 52<br>NT<br>NT   | 13<br>AW<br>AW   | 5.3<br>AW<br>AW  | NI<br>NT<br>NT | <1.0<br>NT<br>NT | NI<br>NI<br><0.25 | NI<br>NI<br><0.25 |

Notes:

NI = Well Not Installed

NT = Parameter Not Tested

AW = Abandoned Well

Mg/L = Milligrams per Liter

ug/L = Micrograms per Liter

NR 140 ES = WDNR WAC NR 140 Enforcement Standards

-- = No Enforcement Standard Established

**Bold** =Enforcement Standard Exceedance

# Table 5 Groundwater Analytical Result Summary

(Site Investigation and Remedial Action Results)

| Parameter  | units | date       | NR140 ES  | MW-1      | MOVAD       | 2.531/ 0 | 2.000 |        |       |        |        |
|--|-------|------------|-----------|-----------|-------------|----------|-------|--------|-------|--------|--------|
|  |       | Guic       | 11K140 E3 | 141 44 -1 | MW-1R       | MW-2     | MW-4  | MW-5   | MW-6  | MW-6R  | MW-7   |
| GRO  | ug/L  | 06/28/1996 |           | 9,000     | NI          | <50      | <50   | 1,400  | 290   | NI     | <50    |
|  |       | 07/30/1996 |           | 7,700     | NI          | 68       | 3,100 | 2,200  | 1.7   | NI     | <50    |
|  |       | 01/28/1998 |           | AW        | 1,700       | <50      | NT    | AW     | AW    | 72     | NT     |
|  |       | 04/08/1998 |           | AW        | 1,200       | <50      | 2,200 | AW     | AW    | NT     | NT     |
|  |       | 07/06/1998 |           | AW        | 860         | <50      | 2,700 | AW     | AW    | <50    | <50    |
|  |       | 01/20/1999 |           | AW        | NT          | NT       | NT    | AW     | AW    | NT     | <50    |
|  |       | 03/05/1999 |           | AW        | 660         | <50      | NT    | AW     | AW    | NT     | NT     |
|  |       | 07/20/1999 |           | ٨W        | NT          | NT       | NT    | AW     | AW    | NT     | NT     |
|  |       | 09/16/1999 |           | AW        | NT          | NT       | NT    | AW     | AW    | NT     | NT     |
|  |       |            |           |           |             |          |       |        | A V   | JN J   | IN I   |
| DRO  | mg/L  | 06/28/1996 |           | 6,200     | NI          | <100     | NT    | 140    | 1,500 | NI     | <100   |
|  | _     | 07/30/1996 |           | 3,500     | NI          | <100     | 1,100 | 13,000 | 2,300 | NI     | <100   |
|  |       | 01/28/1998 |           | AW        | 480         | <100     | NT    | AW     | AW    | 5,000  | NT     |
|  |       | 04/08/1998 |           | AW        | NT          | NT       | NT    | AW     | AW    | NT     | NT     |
|  |       | 07/06/1998 |           | AW        | 420         | <100     | 840   | AW     | AW    | 1,100  | <100   |
|  |       | 01/20/1999 |           | AW        | NT          | NT       | NT    | AW     | AW    | 1,900  | 130    |
|  |       | 03/05/1999 |           | AW        | NT          | NT       | NT    | AW     | AW    | NT     | NT     |
|  |       | 07/20/1999 |           | AW        | NT          | NT       | NT    | AW     | AW    | NT     | NT     |
| 2522304 - 10841 - 144034 - 14404 - 14404 - 14404 |       | 09/16/1999 |           | AW        | NT          | NT       | NT    | AW     | AW    | NT     | NT     |
|  |       |            |           |           |             |          |       |        |       |        |        |
| Benzene  | ug/L  | 06/28/1996 | 5         | 180       | NI          | <0.5     | 270   | 24     | <0.5  | NI     | <0.5   |
|  |       | 07/30/1996 |           | 160       | NI          | 1.5      | 350   | 20     | <0.5  | NI     | <0.5   |
|  |       | 01/28/1998 |           | ΑW        | 190         | < 0.16   | NT    | AW     | AW    | 0.56   | < 0.26 |
|  |       | 04/08/1998 |           | AW        | 140         | < 0.26   | 24    | AW     | AW    | < 0.26 | 0.51   |
|  |       | 07/06/1998 |           | AW        | 100         | < 0.26   | 150   | AW     | AW    | 0.55   | < 0.26 |
|  |       | 01/20/1999 |           | AW        | NT          | NT       | NT    | AW     | ΛW    | 1.3    | < 0.13 |
|  |       | 03/05/1999 |           | AW        | 72          | < 0.13   | NT    | AW     | AW    | NT     | NT     |
|  |       | 07/20/1999 |           | AW        | 84          | 1.6      | 74    | AW     | AW    | 1.7    | 1.6    |
|  |       | 09/16/1999 |           | AW        | NT          | < 0.10   | NT    | AW     | AW    | NT     | NT     |
|  |       |            |           |           |             |          |       |        |       |        |        |
| Ethylbenzene                                     | ug/L  | 06/28/1996 | 700       | 320       | NI          | <1.0     | 310   | 26     | <2.0  | NI     | <1.0   |
|  |       | 07/30/1996 |           | 290       | NI          | 4.9      | 330   | 18     | <1.0  | NI     | <1.0   |
|  |       | 01/28/1998 |           | AW        | 71          | < 0.24   | NT    | ΑW     | AW    | 0.4    | < 0.24 |
|  |       | 04/08/1998 |           | AW        | 57          | < 0.24   | 180   | AW     | AW    | < 0.24 | < 0.45 |
|  |       | 07/06/1998 |           | AW        | 44          | < 0.24   | 160   | ΑW     | AW    | 0.52   | < 0.24 |
|  |       | 01/20/1999 |           | AW        | NT          | NT       | NT    | ΑW     | AW    | 0.52   | <0.22  |
| •  |       | 03/05/1999 |           | AW        | 36          | < 0.22   | NT    | AW     | AW    | NT     | NT     |
|  |       | 07/20/1999 |           | AW        | 32          | 2        | 25    | AW     | AW    | 2.2    | 1.6    |
| 996000000000000000000000000000000000000          |       | 09/16/1999 | 77 777774 | AW        | NT          | < 0.25   | NT    | AW     | AW    | NT     | NT     |
| . empe   |       |            |           |           |             |          |       |        |       |        |        |
| MTBE   | ug/L  | 06/28/1996 | 60        | <10       | NI          | <1.0     | <2.0  | <10    | <1.0  | NI     | <1.0   |
|  |       | 07/30/1996 |           | <5.0      | NI          | 8.3      | <5.0  | 9.4    | <1.0  | NI     | <1.0   |
|  |       | 01/28/1998 |           | AW        | <b>5</b> .9 | < 0.2    | NT    | AW     | AW    | < 0.2  | < 0.22 |
|  |       | 04/08/1998 |           | ΑW        | 10          | < 0.22   | 14    | AW     | AW    | < 0.22 | < 0.22 |
|  |       | 07/06/1998 |           | AW        | 3.5         | < 0.22   | 5.7   | AW     | AW    | < 0.22 | < 0.22 |
|  |       | 01/20/1999 |           | AW        | NT          | NT       | NT    | AW     | AW    | 1.1    | < 0.16 |
|  |       | 03/05/1999 |           | ΑW        | 3.7         | < 0.16   | NT    | AW     | AW    | NT     | NT     |
|  |       | 07/20/1999 |           | AW        | 18          | < 0.16   | 17    | AW     | AW    | 0.75   | < 0.16 |
|  |       | 09/16/1999 |           | AW        | NT          | < 0.25   | NT    | AW     | AW    | NT     | NT     |
| See Attached Footnotes                           |       |            |           |           |             |          |       |        |       |        |        |

Table 5
Groundwater Analytical Result Summary

(Site Investigation and Remedial Action Results)

| D                                       |                |                |   | reuer       | ai Manuf | acturing     |        |          |           |              |        |
|---|----------------|----------------|---|-------------|----------|--------------|--------|----------|-----------|--------------|--------|
| Parameter                               | units d        | late           | NR140 ES                                | MW-1        | MW-1     | D Marie      |        |          |           |              |        |
| Toluene                                 |                |                |   |             |          | R MW-2       | 2 MW-4 | 4 MW-5   | MW-6      | MW-6R        | NW-    |
|   | ug/L 06/2      | 8/1996         | 343                                     | 37          | NI       | ~1 A         |        |          |           |              |        |
|   |                | 0/1996         |   | 41          | NI       | <1.0         | <6.0   | <10      | <1.0      | NI           | <1.0   |
|   | 01/28          | 8/1998         |   | AW          | 3.8      | 2.4          | <5.0   | 4.0      | 1.6       | NI           | 1.1    |
|   | 04/08          | 8/1998         |   | AW          | 2.1      | < 0.36       |        | AW       | AW        | 1.2          | <0.21  |
|   | 07/06          | 5/1998         |   | AW          |          | < 0.21       |        | AW       | AW        | < 0.21       | 1.4    |
|   | 01/20          | )/1999         |   | AW          | 3        | < 0.21       | 4.4    | AW       | AW        | 1.5          |        |
|   |                | 5/1999         |   |             | NT       | NT           | NT     | AW       | AW        | 1.3          | < 0.21 |
|   |                | /1999          |   | AW          | 2.3      | < 0.20       | NT     | AW       | AW        | NT           | <0.2   |
| 199900000000000000000000000000000000000 | 09/16          |                |   | AW          | 7.8      | 9.8          | 4.8    | AW       | AW        |              | NT     |
|   |                |                |   | AW          | NT       | 0.27         | NT     | AW       | AW        | 6.]          | 7.5    |
| 1,2,4-TMB                               | ug/L 06/28/    | /1006          |   | •           |          |              |        |          | 7 <b></b> | NT           | NT     |
|   | 07/30/         | /1996          |   | 1,200       | NI       | <1.0         | 360    | 75       | ~~~~      |              |        |
|   | 01/28/         | /1009          |   | 1,000       | NI       | 10           | 280    | 50       | <2.0      | NI           | <1.0   |
|   | 04/08/         |                |   | AW          | 37       | < 0.3        | NT     | AW       | 1.8       | NI           | 1.1    |
|   | 07/06/         |                |   | AW          | 12       | < 0.86       | 220    | AW       | AW        | 1.0          | <0.86  |
|   | 01/20/         | 1000           |   | AW          | 10       | < 0.86       | 280    | AW       | AW        | < 0.86       | < 0.86 |
|   | 03/05/         | 1999           |   | AW          | NT       | NT           | NT     | AW<br>AW | AW        | 0.96         | < 0.86 |
|   | 03/03/         | 1999           |   | AW          | 18       | < 0.29       | NT     |          | AW        | 1.4          | < 0.22 |
|   | 07/20/1        | 1999           |   | AW          | 14       | 1.1          | 100    | AW       | AW        | ТИ           | NT     |
|   | 09/16/1        | 1999           | 000000000000000000000000000000000000000 | AW          | NT       | <0.10        | NT     | AW       | AW        | 2.5          | 0.86   |
| 1,3,5-TMB                               |                |                |   |             |          | ************ | IN I   | AW       | AW        | NT           | NT     |
| , )= <b></b>                            | ug/L 06/28/1   |                |   | 240         | NI       | <1.0         |        |          |           |              |        |
|   | 07/30/1        |                |   | 270         | NI       | 2.7          | 74     | <30      | <1.0      | NI           | <1.0   |
|   | 01/28/1        |                |   | AW          | 7.3      |              | <5.0   | 8.3      | 1.5       | NI           | <1.0   |
|   | 04/08/1        | 998            |   | AW          | 0.76     | < 0.34       | NT     | AW       | AW        | 0.47         | < 0.54 |
|   | 07/06/1        | 998            |   | AW          | 0.56     | < 0.54       | 10     | AW       | AW        | < 0.54       | <0.54  |
|   | 01/20/1        |                |   | AW          | NT       | <0.54        | 16     | ΑW       |           | < 0.54       | < 0.54 |
|   | 03/05/19       |                |   | AW          | 2.1      | NT           | NT     | AW       |           | <0.29        | <0.28  |
|   | 07/20/19       | 999            |   | AW          |          | <0.29        | NT     | AW       | AW        | NT           | NT     |
|   | 09/16/19       | 999            |   | AW          | <5.8     | < 0.29       | 7      | AW       | AW        | 0.41         |        |
| 7-1                                     |                |                |   | A W         | NT       | <0.10        | NT     | AW       | AW        | NT           | <0.29  |
| (ylenes                                 | ug/L 06/28/19  | 996            | 6 <b>2</b> 0                            | <b>47</b> 0 |          |              |        |          |           | 333333333333 | NT     |
|   | 07/30/19       | 996            |   |             | NI       | <1.0         | 710    | <30      | <3.0      | NI           |        |
|   | 01/28/19       |                |   | 400         | NI       | 8.3          | 610    | 16       | <3.0      |              | <3.0   |
|   | 04/08/19       |                |   | AW          | 45       | < 0.94       | NT     | AW       | AW        | NI<br>2.7    | <3.0   |
|   | 07/06/19       |                |   | 4W          | 15       | < 0.97       | 316    | AW       |           |              | <0.97  |
|   | 01/20/19       |                |   | \W          | 16.9     | <1.24        | 406.2  | AW       |           | <0.97        | 2.8    |
|   | 03/05/19       |                |   | \W          | NT       | NT           | NT     | AW       |           |              | <1.24  |
|   | 07/20/19       |                |   | W           | 27       | < 0.23       | NT     | AW       |           |              | <0.23  |
|   | 09/16/199      |                | F                                       | W           | 30       | 8.7          | 220    |          |           | NT           | NT     |
|   | 09/10/199      | 99<br>******** |   | W           | NT       | <0.25        | NT     | AW       |           | 9.2          | 5.8    |
| aphthalene                              | ug/L 06/28/199 | ,<br>,         |   |             |          |              |        | AW       | AW        | NT           | NT     |
|   |                |                | 10 h                                    | 1T          | NI       | NT           | NT     | N.T.     |           |              |        |
|   | 07/30/199      |                | 1                                       | 80          | NI       | 2.2          | 15     | NT       |           |              | NT     |
|   | 01/28/199      |                | Α                                       |             | NT       | NT           |        | 65       |           |              | <1.0   |
|   | 04/08/199      |                | Α                                       |             | NT       | NT           |        |          |           | NT           | NT     |
|   | 07/06/199      |                |   |             | NT       | NT           | 3 TO-  |          |           |              | NT     |
|   | 01/20/199      |                | A                                       |             | NT       |              |        |          | AW N      |              | NT     |
|   | 03/05/199      |                | A'                                      |             |          | _            |        |          |           |              | NT     |
|   | 07/20/199      |                | A'                                      |             |          |              |        |          |           |              | NT     |
| Attached Footnotes                      | 09/16/1999     | 9              | A <sup>1</sup>                          |             |          |              | 9.7    | AW ,     |           | _            | 0.46   |
| Attached T                              |                | -              | A                                       | w,          | NT <     | <0.10        | 3.75   | AW       |           | <1           |        |

# Table 5 Groundwater Analytical Result Summary

(Site Investigation and Remedial Action Results)

| Parameter                               | units        | date                   | NR140 ES                                | MW-1         | MW-1F | MW-2   | MW    |          |                 |          |          |
|---|--------------|------------------------|---|--------------|-------|--------|-------|----------|-----------------|----------|----------|
| Bromodichloromethan                     |              | 0.6.00                 |   |              |       |        | MW-4  | MW-5     | MW-6            | MW-6R    | MW-7     |
| bromodicinoi onictiian                  | ug/L         |                        | 0.6                                     | NT           | NI    | NT     | NT    | NT       | NT              | NI       | >        |
|   |              | 07/30/1996             |   | < 5.0        | NI    | 4.6    | <5.0  | <2.0     | <1.0            | NI       | NT       |
|   |              | 01/28/1998             |   | AW           | NT    | NT     | NT    | AW       | AW              | NT       | <1.0     |
|   |              | 04/08/1998             |   | ΑW           | NT    | NT     | NT    | AW       | AW              |          | NT       |
|   |              | 07/06/1998             |   | AW           | NT    | NT     | NT    | AW       | AW              | NT<br>NT | NT       |
|   |              | 01/20/1999             |   | AW           | NT    | NT     | NT    | AW       | AW              |          | NT       |
|   |              | 03/05/1999             |   | AW           | NT    | NT     | NT    | AW       | AW              | NT       | NT       |
|   |              | 07/20/1999             |   | AW           | NT    | NT     | NT    | AW       | AW<br>AW        | NT       | NT       |
|   | 80888888888  | 09/16/1999             | *************************************** | AW           | NT    | 2.0    | NT    | AW       |                 | NT       | NT       |
| Chlorodibromomethan                     |              |                        |   |              |       |        |       | AW       | AW              | NT       | NT       |
| Cinoi outoromomethan                    | _            | 06/28/1996             | 60                                      | NT           | NI    | NT     | NT    | NT       | <b>&gt; 100</b> |          |          |
|   |              | 07/30/1996             |   | < 5.0        | NI    | 1.8    | <5.0  |          | NT              | NI       | NT       |
|   |              | 01/28/1998             |   | AW           | NT    | NT     | NT    | <2.0     | <1.0            | NI       | <1.0     |
|   |              | 04/08/1998             |   | AW           | NT    | NT     | NT    | AW<br>AW | AW              | NT       | NT       |
|   |              | 07/06/1998             |   | AW           | NT    | NT     | NT    |          | AW              | NT       | NT       |
|   |              | 01/20/1999             |   | AW           | NT    | NT     | NT    | AW       | AW              | NT       | NT       |
|   |              | 03/05/1999             |   | AW           | NT    | NT     | NT    | AW       | AW              | NT       | NT       |
|   |              | 07/20/1999             |   | AW           | NT    | NT     | NT    | AW       | AW              | NT       | NT       |
|   | Athananieros | 09/16/1999             |   | AW           | NT    | 0.78   | NT    | AW       | AW              | NT       | NT       |
| ርዜ1                                     |              |                        |   |              |       | 0.78   | IN 1  | AW       | AW              | NT       | NT       |
| Chloroform                              |              | 06/28/1996             | 6                                       | NT           | NI    | NT     | ) IT  |          |                 |          |          |
|   |              | 07/30/1996             |   | <5.0         | NI    | 8.1    | NT    | NT       | NT              | NI       | NT       |
|   | (            | 01/28/1998             |   | AW           | NT    |        | <5.0  | <2.0     | <1.0            | NI       | <1.0     |
|   | (            | 04/08/1998             |   | AW           | NT    | NT     | NT    | AW       | ΑW              | NT       | NT       |
|   |              | 07/06/1998             |   | AW           |       | NT     | NT    | AW       | AW              | NT       | NT       |
|   |              | 01/20/1999             |   | AW           | NT    | NT     | NT    | AW       | AW              | NT       | NT       |
|   |              | 3/05/1999              |   | AW           | NT    | NT     | NT    | AW       | AW              | NT       | NT       |
|   |              | 7/20/1999              |   | AW           | NT    | NT     | NT    | AW       | AW              | NT       | NT       |
| 000000000000000000000000000000000000000 |              | 9/16/1999              |   | AW           | NT    | NT     | NT    | AW       | AW              | NT       | NT       |
|   |              |                        |   | 7 <b>. W</b> | NT    | 3.0    | NT    | AW       | AW              | NT       | NT       |
| -Butylbenzene                           | ıg/L ()      | 6/28/1996              |   | ) I'r        |       |        |       |          |                 |          |          |
|   |              | 7/30/1996              |   | NT           | NI    | NT     | NT    | NT       | NT              | NI       | NT       |
|   | 0            | 1/28/1998              |   | 180          | NI    | <1.0   | 14    | 9.9      | 8.6             | NI       | <1.0     |
|   |              | 4/08/1998              |   | AW           | NT    | NT     | NT    | AW       | AW              | NT       | NT       |
|   |              | 7/06/1998              |   | AW           | NT    | NT     | NT    | AW       | AW              | NT       | NT       |
|   |              | 1/20/1999              |   | AW           | NT    | NT     | NT    | AW       | AW              | NT       | NT       |
|   |              | 3/05/1999              |   | AW           | NT    | NT     | NT    | AW       | AW              | NT       | NT       |
|   |              |                        |   | AW           | NT    | NT     | NT    | AW       | AW              | NT       | NT       |
|   |              | 7/20/1999              |   | AW           | NT    | NT     | NT    | AW       | AW              | NT       |          |
|   |              | 9/16/1999              | 86484444444                             | AW           | NT    | < 0.25 | NT    | AW       | AW              | NT       | NT<br>NT |
| c-Butylbenzene u                        | g/L 00       | 5/ <b>39</b> /1007     |   |              |       |        |       |          |                 | 111      | N I      |
|   | 8,5 O        | 5/28/1996<br>7/30/1996 |   | NT           | NI    | NT     | NT    | NT       | NT              | NI       | NT       |
|   |              |                        |   | 13           | NI    | <1.0   | < 5.0 | 10       | 2.5             |          |          |
|   |              | 1/28/1998              |   | AW           | NT    | NT     | NT    | AW       | AW              | NT       | <1.0     |
|   |              | 1/08/1998              |   | AW           | NT    | NT     | NT    | AW       | AW              |          | NT       |
|   |              | 7/06/1998              |   | AW           | NT    | NT     | NT    | AW       | AW              | NT<br>NT | NT       |
|   |              | /20/1999               |   | AW           | NT    | NT     | NT    | AW       | AW              |          | NT       |
|   |              | 3/05/1999              |   | AW           | NT    | NT     | NT    | AW       |                 |          | NT       |
|   |              | //20/1999              |   | ٩W           | NT    | NT     | NT    | AW       | AW              |          | NT       |
| e Attached Footnotes                    | 09           | /16/1999               | 1                                       | ٩W           | NT    | <0.25  | NT    |          | AW              |          | NT       |
| MILLECTION FOOTBOLES                    |              |                        |   |              | -     | · J    | 141   | AW       | AW              | NT       | NT       |

# Table 5 Groundwater Analytical Result Summary

(Site Investigation and Remedial Action Results)

#### Federal Manufacturing

| Parameter               | units | date       | NR140 ES | MW-1 | MW-1R | MW-2   | MW-4  | MW-5 | MW-6 | MW-6R | MW-7 |
|-------------------------|-------|------------|----------|------|-------|--------|-------|------|------|-------|------|
| Isopropylbenzene        | ug/L  | 06/28/1996 |          | NT   | NI    | NT     | NT    | NT   | NT   | NI    | NT   |
|                         | _     | 07/30/1996 |          | 29   | NI    | <1.0   | 34    | 11   | 3.4  | NI    | <1.0 |
|                         |       | 01/28/1998 |          | AW   | NT    | ΝΤ     | NT    | AW   | AW   | NT    | NT   |
|                         |       | 04/08/1998 |          | AW   | NT    | NT     | NT    | AW   | AW   | NT    | NT   |
|                         |       | 07/06/1998 |          | AW   | NT    | NT     | NT    | AW   | AW   | NT    | NT   |
|                         |       | 01/20/1999 |          | AW   | NT    | NT     | NT    | AW   | AW   | NT    | NT   |
|                         |       | 03/05/1999 |          | AW   | NT    | NT     | NT    | AW   | AW   | NT    | NT   |
|                         |       | 07/20/1999 |          | AW   | NT    | NT     | NT    | AW   | AW   | NT    | NT   |
|                         |       | 09/16/1999 |          | AW   | NT    | < 0.25 | NT    | AW   | AW   | NT    | NT   |
|                         |       |            |          |      |       |        |       |      |      |       |      |
| p-Isopropyltoluene      | ug/L  | 06/28/1996 |          | NT   | NI    | NT     | NT    | NT   | NT   | NI    | NT   |
|                         |       | 07/30/1996 |          | 7.3  | NI    | <1.0   | < 5.0 | 6.9  | 3.4  | NI    | <1.0 |
|                         |       | 01/28/1998 |          | AW   | NT    | NT     | NT    | AW   | AW   | NT    | NT   |
|                         |       | 04/08/1998 |          | AW   | NT    | NT     | NT    | AW   | AW   | NT    | NT   |
|                         |       | 07/06/1998 |          | AW   | NT    | NT     | NT    | AW   | AW   | NT    | NT   |
|                         |       | 01/20/1999 |          | AW   | NT    | NT     | NT    | AW   | AW   | NT    | NT   |
|                         |       | 03/05/1999 |          | AW   | NT    | NT     | NT    | AW   | AW   | NT    | NT   |
|                         |       | 07/20/1999 |          | AW   | NT    | NT     | NT    | AW   | AW   | NT    | NT   |
|                         |       | 09/16/1999 |          | AW   | NT    | < 0.25 | NT    | AW   | AW   | NT    | NT   |
|                         |       |            |          |      |       |        |       |      |      |       |      |
| n-Propylbenzene         | ug/L  | 06/28/1996 |          | NT   | NI    | NT     | NT    | NT   | NT   | NI    | NT   |
|                         |       | 07/30/1996 |          | 68   | NI    | <1.0   | 52    | 13   | 5.3  | NI    | <1.0 |
|                         |       | 01/28/1998 |          | AW   | NT    | NT     | NT    | AW   | AW   | NT    | NT   |
|                         |       | 04/08/1998 |          | AW   | NT    | NT     | NT    | AW   | AW   | NT    | NT   |
|                         |       | 07/06/1998 |          | AW   | NT    | NT     | NT    | AW   | AW   | NT    | NT   |
|                         |       | 01/20/1999 |          | ΑW   | NT    | NT     | NT    | AW   | AW   | NT    | NT   |
|                         |       | 03/05/1999 |          | AW   | NT    | NT     | NT    | AW   | AW   | NT    | NT   |
|                         |       | 07/20/1999 |          | AW   | NT    | NT     | NT    | AW   | AW   | NT    | NT   |
|                         |       | 09/16/1999 |          | AW   | NT    | < 0.25 | NT    | AW   | AW   | NT    | NT   |
|                         |       |            |          |      |       |        |       |      |      |       |      |
| Lead                    | mg/L  | 06/28/1996 | 15       | NT   | NI    | NT     | NT    | NT   | NT   | NI    | NT   |
|                         |       | 07/30/1996 |          | 4.0  | NI    | <1.5   | <1.5  | 2.8  | <1.5 | NI    | <1.5 |
|                         |       | 01/28/1998 |          | AW   | NT    | NT     | NT    | AW   | AW   | NT    | NT   |
|                         |       | 04/08/1998 |          | AW   | NT    | NT     | NT    | AW   | AW   | NT    | NT   |
|                         |       | 07/06/1998 |          | AW   | NT    | NT     | NT    | AW   | AW   | NT    | NT   |
|                         |       | 01/20/1999 |          | AW   | NT    | NT     | NT    | AW   | AW   | NT    | NT   |
|                         |       | 03/05/1999 |          | AW   | NT    | NT     | NT    | AW   | AW   | NT    | NT   |
|                         |       | 07/20/1999 |          | AW   | NT    | NT     | NT    | ΑW   | AW   | NT    | NT   |
| Notes:                  |       | 09/16/1999 |          | AW   | NT    | NT     | NT    | AW   | AW   | NT    | NT   |
| NI = Well Not Installed | 1     |            |          |      |       |        |       |      |      |       |      |

NI = Well Not Installed

NT = Parameter Not Tested

AW = Abandoned Well

MW-1R = Replacement Well

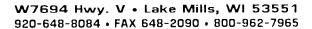
Mg/L = Milligrams per Liter

ug/L = Micrograms per Liter

NR 140 ES = WDNR WAC NR 140 Enforcement Standards

-- = No Enforcement Standard Established

Bold =Enforcement Exceedance





July 11, 2001

Frank P. Zeidler Municipal Building Attn: Mariano Schifalacqua Commissioner of Public Works 841 North Broadway Room 516 Milwaukee. WI 53202

Revel 7-12-01

RE: Groundwater Results of Wells installed in First St. & Walker St. for Federal Manufacturing (LUST Site)
104 W. Walker St.
Milwaukee, WI 53204
Brrts # 03-41-002324, FID # 241559230

Dear Mr. Schifalacqua,

Stiles Environmental, Inc submits this correspondence to supplement the requirements of the WDNR conditional closure letter dated May 17, 2001 (attached) regarding contamination detected within the Right of Way at the corner of South First Street and West Walker Street in order to determine the extent of petroleum related groundwater contamination observed at the above mentioned LUST site. Monitoring wells, MW-8 and MW-9, were installed at the locations depicted on the enclosed map. Each of the wells was sampled for Volatile Organic Compounds (VOC's) in accordance with the WDNR requirements. No petroleum related groundwater contamination was detected above laboratory detection limits within either well, however, Tetracholoroethylene was quantified at 11 micrograms per liter in water from MW-9 and Trichloroethene was observed in MW-9 at .26 ug/l and MW-8 at 2.0 ug/L. No other Voc's were observed above laboratory detection limits. PCE detection within MW-9 is above the WDNR Enforcement Standard of 5.0 ug/L as defined in Table 1 of the NR 140.10 Public Health Groundwater Quality Standards. Additionally, TCE detected in MW-8 is above the preventive action limit defined in the same table. The Preventive Action limit it set at .5 ug/L.

The representative for the Federal Manufacturing site is Mr. Otis Cobb. His correspondence to Stiles has stated the drains from the welding area of the site would carry water used to cool welding heads and not contain any chlorinated or degreasing agents similar to the observed groundwater contamination. Further correspondence from Mr. James Purko, City Engineer, states that no water main breaks have occurred in the area and that the combined sewers appeared in good condition during closed circuit TV visual inspection in 1992 and 1996. The source of chlorinated contamination observed in the groundwater at this location has not been determined.

The WDNR has determined that no additional subsurface work is required for this LUST site, but has required this transmission to be submitted; therefore, please file or forward as appropriate. Any requests for additional information can be forwarded to me; however, Stiles no longer performs or employs environmental consulting professionals.

Sincerely,

Yane Hertel

Business Manager

CC: Otis Cobb, Federal Manufacturing

Eric Amadi - WDNR

Land Westel

#### CLOSING STATEMENT

SELLER:

The Polaris Corporation

BUYER:

The Federal Mig. Co.

PREMBES:

Lots 5 and 6 and the South One-half of Lot 4, Block 99 of Weeks Plot of Lots 3 and 6 or the North One-half of the Southeast One-quarter of Section 32, Township 7 North, Range 22 East.

DATE:

Jamary 15, 1965

|  | Credit Buver  | Credit Seller  |
|--|---------------|----------------|
| Purchase Price   |               | \$ 58,000.00   |
| Down Payment   | \$ 8,000.00   | •              |
| Water Proration (Water bill through October 30, 1964-318, 44)  | 10.98         |                |
| Revenue Stamps   | <b>33, 80</b> |                |
| Recording Partial Mortgage Satisfaction  | 1,00          |                |
| Oil Adjustment (1000 çals. in tanks on<br>December 31, 1984 at 15.4¢ per çal.)                                     |               | 154,00         |
| Additional Oil (200 gals.) Purchased by<br>Seller on January 13, 1965  |               | 30, 80         |
| Utility Adjustment (Electricity; December invoice \$23,93; one-half month to be charged to Seller by Electric Co.) |               | 11,98          |
| Balance due at closing   | 55, 121, 00   |                |
|  | \$ 58, 196.78 | \$ 58, 196, 76 |

all adjustments made as of January 1, 1965. Buyer shall be responsible for all obliquations incurred after January 1, 1965 and shall be entitled to collect all rents after said date. Seller represents no rents for the period after January 1, 1965 have been collected by it or on its behalf.

APPROVED

FORM 5500 9-61

# CHICAGO TITLE INSURANCE COMPANY

TITLE GUARANTY COMPANY OF WISCONSIN DIVISION

AFFIDAVIT AS 'TO MECHANICS' LIENS AND AS TO POSSESSION

| Edward L. McAfee  | C. C   |
|---|--|
| (Indexion vineral amount  | , being first duly sworn, deposes and says:  |
| TI (Induction of the control of the | MINAMINI AMBRIDK   |
| (Street Williams VOCSTEEL TEL   | (Linjat, sole, former or principal conveneror for the XXIIIXIII XXIIIXIII XXIIIXIIIXIIIXIIIX   |
| The Polaris Corporation   | That afflant is the Vice President   |
|   | 2  |
| owner of certain premises located at  | That afflant is the Vice President  or corporation, which is the Sole of the contract of the Milwaukee   |
| Wisconsin, described as follows:  | County   |
| two (32), in Township Seven (7) North of Milwaukee.   | the South One-half (1/2) of Lot Four (4), in on of Block Ninety-nine (99), being a part of East One-quarter (1/4) of Section Thirty-h, Range Twenty-two (22) East, in the City   |
| done and no materials have been furnished in or<br>removal of any building or other structure on said<br>ises in any manner whatsoever. That there are<br>situated thereon.   | imediately preceding the date of this affidavit no work has been connection with the erection, equipment, repair, protection or premises or in connection with the improvement of said premise incompleted buildings, structures or other improvements   |
| -4. That during the period  | or other improvements  |
| been done and material furnished in connection w.   | mediately preceding the date of this affidavit certain work has  |
| WOCK said browless to a   | S but that except as hereinafter stated all of there are no claims or disputes in existence with reference   |
| That said work was fully completed on   | a stelle with reference  |
| he plans and specifications. On the reverse side he which have furnished any labor or material from the   | ereof is a complete list of all persons, firms or compression  |
| vith to the Title Guaranty Company of Wisconsia   | subcontractor, or material men presented and delivered here-<br>Division of Chicago Title Insurance Company are true, cor-<br>itractor, subcontractor or material men whose name appears<br>either legal or equitable which may be set up to defeat the  |
|   |  |
| 5. That the premises above described are at pre-  | exert in the second of the sec |
| ersonally or through tenants has been africantes of any   | esent in use as send furety adjoining owner encroach thereon; that the present owner y in peaceable, adverse, exclusive and undistricted   |
| the whole of said premises for the period of  | y in peacoable, adverse, exclusive and undisputed possession years last past; that   |
| (Name terripe-ma  | nerse (chants and counters)  |
|   |  |
| Ottare terms of oilbury resitten or that leakey, is   | moduling aparts to month and week to week terangues  |
| That this officers to   | at the Title Guaranty Company of Wisconsin Division of<br>in issuing a title guaranty policy on the above described  |
|   | Edward Z mad   |
| · · · · · · · · · · · · · · · · · · ·   | Edward L. McAfee   |
|   | Subscribed and sworn to before me this 15th day of January 65  |
|   | 19, 65   |
|   | Notary Public Wakele   |
|   | County, Wis,   |
| ill in either paragraph 1 or 2, whichever is applicable at  | My commission expires, 19  |

\*Fill in either paragraph 1 or 2, whichever is applicable, and strike out the paragraph not used.
\*\*Fill in either paragraph 3 or 4, as the facts may warrant, and strike out the paragraph not used,

| DOCUMENT NO.  | REL 2224 1940   | 827  | GTATE BAR OF<br>W.A.R.I<br>THIS PPACE RESE   | WINCONSIN - FORM 1<br>SANTT DEED<br>SYED FOR RECORDING DATA |
|---|---|--|--|---|
| This Deed, ande ben   | <b>4</b>  | s.zingale.                                     | 618<br>RECESTER<br>Milwaukee<br>RECORD   | County, WI } ****   |
| andFEDERAL_MEG.   |   | Sin Corpora                                    |  | 22 1988 P4  |
| Witnesseth, That the said One Dollar (\$1.00) conveys to Grantee the following of   | Grantor for a valuable of                                       | onsideration                                   | France.  | REGISTER OF DEEDS   |
| State of Wisconsia:   | tes their in.,  | HALLMADARC (                                   | ******** Atty  | / Gordon Borman<br>sconsin Avenue<br>WI 53203               |
|   |   |  | Tax Key # 43 This is _not  | 31-0611<br>Боленская ргорену,                               |
| or :<br>East  | JOES I AND 6 i  | n the North<br>32, in Toy                      | Week's Subdivision of the South  | rn  |
| 822<br>FEE  | South 2nd Str   | eet  |  |   |
| # 172.25 (3)<br>EXEMPT  |   |  |  | 6182448<br>RECORD 4.00                                      |
| warrans that the title is good, indetaxes and assessmen ordinances, easemon and will warrant and defend the surface total and will warrant and Millyauk | feasible in fee simple and<br>ts, levied and<br>its and restric | free and clear of the dissessed in tions of re | unio belonging or in any wise  (unihizances except  from and after Ja  ecord, if any,  June  |   |
| EIGNED AND SEALED I   | N PHESENCE OF   | //   | nes V S. Žinvale,<br>sing Ve man   | (SEAL)  |
|   |   |  |  | (SEAL)  |
|   |   | - (  | No. of the second secon | (\$EAL)   |
|   |   | -)   |  | (SEAL)  |
| Signatures of   |   |  |  |   |
| suthenticated this  |   |  |  |   |
|   |   | Title: Member<br>Authorized under              | State Bar of Wicepagin or Other  | r Party   |
| STATE OF WISCONSIN  | \$ 55.  |  |  |   |
| Personally came before me, of<br>the above named  | his James V.  | S.Zingale,                                     | June<br>I single man,  | 19.88   |
| to me known to be the person  | HOTARY  | og instrument and ac                           | knowledged the same.   |   |
| THE SHETRUMENT WAS DRAFTED  |   | <u> </u>                                       | 778  |   |

My commission (mphes) (ii) ....permanent